California Department of Conservation

FARMLAND MAPPING AND MONITORING PROGRAM

SOIL CANDIDATE LISTING

for

PRIME FARMLAND AND FARMLAND OF STATEWIDE IMPORTANCE

MERCED COUNTY

U.S. Department of Agriculture, Natural Resources Conservation Service, soil surveys for Merced County include:

Soil Survey of Merced Area, California, July 1962

Soil Survey of Merced County, California, Western Part, March 1990

7/17/95

MERCED COUNTY
PRIME FARMLAND SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR PRIME FARMLAND AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE MERCED AREA AND MERCED COUNTY, WESTERN PART, SOIL SURVEYS.

MERCED AREA

Symbol	Name
AfA	Atwater loamy sand, 0 to 3 percent slopes
AfB	Atwater loamy sand, 3 to 8 percent slopes
AgA	Atwater loamy sand, deep over hardpan, 0 to 3 percent slopes
AgB	Atwater loamy sand, deep over hardpan, 3 to 8 percent slopes
AkA	Atwater loamy sand, imperfectly drained variant, 0 to 3 percent slopes
AnA	Atwater sand, 0 to 3 percent slopes
AnB	Atwater sand, 3 to 8 percent slopes
BeA	Borden fine sandy loam, 0 to 3 percent slopes
BfA	Borden fine sandy loam, slightly saline-alkali, 0 to 3 percent slopes
BgA	Burchell silt loam, 0 to 1 percent slopes
BkA	Burchell silt loam, slightly saline-alkali, 0 to 1 percent slopes
BnA	Burchell silty clay loam, 0 to 1 percent slopes
BpA	Burchell silty clay loam, slightly saline-alkali, 0 to 1 percent slopes
CaA	Columbia fine sandy loam, moderately deep and deep, 0 to 1 percent slopes
CbA	Columbia loam, deep over hardpan, slightly saline, 0 to 1 percent slopes

MERCED AREA continued

Symbol	Name
CcA	Columbia silt loam, moderately deep and deep, 0 to 1 percent slopes
DbA	Delhi loamy fine sand, 0 to 3 percent slopes
DbB	Delhi loamy fine sand, 3 to 8 percent slopes
DcA	Delhi loamy fine sand, silty substratum, 0 to 3 percent slopes
DdA	Delhi loamy sand, 0 to 3 percent slopes
DdB	Delhi loamy sand, 3 to 8 percent slopes
DeA	Delhi loamy sand, silty substratum, 0 to 3 percent slopes
DgA	Delhi sand, silty substratum, 0 to 3 percent slopes
DgB	Delhi sand, silty substratum, 3 to 8 percent slopes
DpA	Dinuba sandy loam, 0 to 1 percent slopes
DrA	Dinuba sandy loam, slightly saline-alkali, 0 to 1 percent slopes
GaA	Grangeville fine sandy loam, 0 to 1 percent slopes
GbA	Grangeville loam, 0 to 1 percent slopes
GcA	Grangeville loam, slightly saline-alkali, 0 to 1 percent slopes
HaA	Hanford fine sandy loam, 0 to 1 percent slopes
HbA	Hanford fine sandy loam, moderately deep and deep over sand, 0 to 1 percent slopes
HcB	Hanford fine sandy loam, channeled, 0 to 8 percent slopes
HdA	Hanford gravelly sandy loam, 0 to 1 percent slopes
HeA	Hanford sandy loam, 0 to 1 percent slopes
HrA	Honcut fine sandy loam, 0 to 1 percent slopes

MERCED AREA continued

Symbol	Name
HsA	Honcut gravelly sandy loam, 0 to 1 percent slopes
HtA	Honcut silt loam, 0 to 1 percent slopes
HuA	Honcut silt loam, deep over hardpan, 0 to 1 percent slopes
HwA	Honcut silty clay loam, 0 to 1 percent slopes
HxA	Honcut silty clay loam, deep over hardpan, 0 to 1 percent slopes
HzA	Honcut silty clay loam, channeled, 0 to 8 percent slopes
MeA	Marguerite loam, 0 to 1 percent slopes
MfA	Marguerite silty clay loam, 0 to 1 percent slopes
MgA	Marguerite silty clay loam, deep over hardpan, 0 to 1 percent slopes
MhA	Merced clay, slightly saline, 0 to 1 percent slopes
MmA	Merced clay loam, slightly saline, 0 to 1 percent slopes
MpA	Merced silt loam, overwashed, slightly saline, 0 to 1 percent slopes
PaA	Pachappa fine sandy loam, 0 to 1 percent slopes
PbA	Pachappa fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
PcA	Pachappa fine sandy loam, deep over hardpan, 0 to 1 percent slopes
PdA	Pachappa sandy loam, 0 to 1 percent slopes
PeA	Pachappa sandy loam, slightly saline-alkali, 0 to 1 percent slopes
PfA	Pachappa sandy loam, deep over hardpan, slightly saline-alkali, 0 to 1 percent slopes
PgA	Pachappa sandy loam, deep over hardpan, 0 to 1 percent slopes
PpA	Piper fine sandy loam, slightly saline-alkali, 0 to 3 percent slopes

MERCED AREA continued

Symbol	Name
PwA	Porterville clay, 0 to 3 percent slopes
PwB	Porterville clay, 3 to 8 percent slopes
RaA	Raynor clay, 0 to 3 percent slopes
RaB	Raynor clay, 3 to 8 percent slopes
RaC	Raynor clay, 8 to 15 percent slopes
RsA	Ryer clay loam, 0 to 3 percent slopes
RsB	Ryer clay loam, 3 to 8 percent slopes
RtA	Ryer silt loam, 0 to 3 percent slopes
Sk	Slickens
SmA	Snelling sandy loam, imperfectly drained variant, 0 to 1 percent slopes
SnA	Snelling sandy loam, 0 to 3 percent slopes
SnB	Snelling sandy loam, 3 to 8 percent slopes
SnB2	Snelling sandy loam, 3 to 8 percent slopes, eroded
TbA	Temple clay loam, 0 to 1 percent slopes
TcA	Temple clay loam, slightly saline, 0 to 1 percent slopes
TdA	Temple clay loam, slightly saline, channeled, 0 to 3 percent slopes
TeA	Temple loam, 0 to 1 percent slopes
TfA	Temple loam, slightly saline, 0 to 1 percent slopes
ThA	Traver clay loam, slightly saline-alkali, 0 to 1 percent slopes
TnA	Traver fine sandy loam, slightly saline-alkali, 0 to 1 percent slopes
WnA	Wyman clay loam, deep over hardpan, 0 to 1 percent slopes

MERCED AREA continued

Symbol	Name
WoA	Wyman clay loam, 0 to 3 percent slopes
WpA	Wyman loam, deep over hardpan, slightly saline-alkali, 0 to 1 percent slopes
WrA	Wyman loam, 0 to 3 percent slopes
WsA	Wyman loam, deep over hardpan, 0 to 3 percent slopes
WtA	Wyman loam, moderately deep and deep over gravel, 0 to 3 percent slopes
YdA	Yolo loam, 0 to 1 percent slopes
YeA	Yolo loam, deep over hardpan, 0 to 1 percent slopes

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MERCED COUNTY, WESTERN PART

Symbol	Name
106	Anela gravelly loam, 0 to 2 percent slopes
109 *	Apollo clay loam, 2 to 8 percent slopes
116	Arbuckle variant sandy loam
123 **	Ayar clay, 5 to 8 percent slopes
131 **	Ballvar loam, 2 to 8 percent slopes
132 ***	Ballvar-Pedcat, eroded association, 0 to 5 percent slopes
137	Bisgani loamy sand, partially drained
139	Bolfar clay loam, partially drained
144	Capay clay loam
145	Capay clay
149 **	Chaqua loam, 2 to 8 percent slopes
154	Cole variant clay loam, 2 to 5 percent slopes
161	Damluis clay loam, 0 to 2 percent slopes
163	Damluis gravelly clay loam, 0 to 2 percent slopes
164 **	Damluis gravelly clay loam, 2 to 8 percent slopes
167	Deldota clay, partially drained
170	Dospalos clay loam, partially drained
171	Dospalos clay, partially drained

* where slope is 4.6 percent or less
** where slope is 6 percent or less
*** Ballvar soil only

MERCED COUNTY, WESTERN PART continued

Symbol	Name
174	Dospalos-urban land complex, partially drained
178	Elnido sandy loam, partially drained
180	Elnido clay loam, partially drained
181	Escano clay loam, partially drained
192	Henmel clay loam, partially drained
193	Herito loam
206	Los Banos clay loam, 0 to 2 percent slopes
207 **	Los Banos clay loam, 2 to 8 percent slopes
209 **	Los Banos-Pleito clay loams, 2 to 8 percent slopes
210	Los Banos variant gravelly sandy clay loam
228	Palazzo sandy loam, partially drained
229	Paver clay loam, 0 to 2 percent slopes
230	Paver clay loam, 2 to 5 percent slopes
246	San Emigdio fine sandy loam
247	San Emigdio loam
253	Stanislaus clay loam
254	Stanislaus clay loam, wet
255	Stanislaus-Dosamigos-urban land complex
263	Vernalis loam, 2 to 5 percent slopes

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** where slope is 6 percent or less

MERCED COUNTY, WESTERN PART continued

Symbol	Name
274	Woo loam, 0 to 2 percent slopes
275	Woo loam, gravelly substratum, 0 to 2 percent slopes
276	Woo sandy clay loam, 0 to 2 percent slopes
277	Woo clay loam, 0 to 2 percent slopes
278	Woo clay loam, 2 to 5 percent slopes
279	Woo clay loam, wet, 0 to 2 percent slopes
280	Woo clay, 0 to 2 percent slopes
281	Woo-Anela-urban land complex, 0 to 2 percent slopes
282	Woo-urban land complex, 0 to 2 percent slopes

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MERCED COUNTY
FARMLAND OF STATEWIDE
IMPORTANCE SOILS

U.S. DEPARTMENT OF AGRICULTURE
NATURAL RESOURCES CONSERVATION SERVICE
DAVIS, CALIFORNIA 95616

THESE SOIL MAPPING UNITS MEET THE CRITERIA FOR FARMLAND OF STATEWIDE IMPORTANCE AS OUTLINED IN THE U.S. DEPARTMENT OF AGRICULTURE'S LAND INVENTORY AND MONITORING (LIM) PROJECT FOR THE MERCED AREA AND MERCED COUNTY, WESTERN PART, SOIL SURVEYS.

MERCED AREA

Symbol	Name
AdA	Atwater loamy sand, deep over hardpan, poorly drained variant, 0 to 1 percent slopes
BaA	Bear Creek clay loam, 0 to 3 percent slopes
BcA	Bear Creek loam, 0 to 3 percent slopes
BmA	Burchell silt loam, moderately saline-alkali, 0 to 1 percent slopes
BrA	Burchell silty clay loam, moderately saline-alkali, 0 to 1 percent slopes
CeA	Columbia soils, channeled, 0 to 3 percent slopes
DfA	Delhi sand, 0 to 3 percent slopes
DfB	Delhi sand, 3 to 8 percent slopes
DfC	Delhi sand, 8 to 15 percent slopes
DhA*	Dello loamy fine sand, 0 to 1 percent slopes
DkA*	Dello sand, 0 to 1 percent slopes
DoA*	Dello sand, slightly saline-alkali, 0 to 1 percent slopes

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* This unit is of statewide importance only if the high water table is sufficiently drained below 3 feet.

MERCED AREA continued

Symbol	Name
GdA	Grangeville loam, moderately saline-alkali, 0 to 1 percent slopes
GeA	Greenfield sandy loam, deep over hardpan, poorly drained variant, 0 to 1 percent slopes
GfA	Greenfield sandy loam, deep over hardpan, 0 to 3 percent slopes
GfB	Greenfield sandy loam, deep over hardpan, 3 to 8 percent slopes
GfB3	Greenfield sandy loam, deep over hardpan, 3 to 8 percent slopes, gullied
HgA	Hilmar loamy sand, 0 to 3 percent slopes
HhA	Hilmar loamy sand, slightly saline-alkali, 0 to 3 percent slopes
HoA	Hilmar sand, 0 to 3 percent slopes
HpA	Hilmar sand, slightly saline-alkali, 0 to 3 percent slopes
2HB	Hopeton clay, 0 to 8 percent slopes
LaA	Landlow clay, 0 to 1 percent slopes
LbA	Landlow clay, slightly saline-alkali, 0 to 1 percent slopes
LcA	Landlow silt loam, 0 to 1 percent slopes
LdA	Landlow silt loam, slightly saline-alkali, 0 to 1 percent slopes
LeA	Landlow silty clay loam, 0 to 1 percent slopes
LfA	Landlow silty clay loam, slightly saline-alkali, 0 to 1 percent slopes
LgA	Lewis clay, slightly saline-alkali, 0 to 1 percent slopes
LkA	Lewis loam, slightly saline-alkali, 0 to 1 percent slopes
LoA	Lewis silty clay loam, slightly saline-alkali, 0 to 1 percent slopes

MERCED AREA continued

Symbol	Name
MkA	Merced clay, moderately saline, 0 to 1 percent slopes
MnA	Merced clay loam, moderately saline, 0 to 1 percent slopes
PsA	Piper fine sandy loam, moderately saline-alkali, 0 to 3 percent slopes
PxA	Pozo clay loam, 0 to 1 percent slopes
PyA	Pozo clay loam, slightly saline, 0 to 1 percent slopes
PzA	Pozo clay loam, moderately saline, 0 to 1 percent slopes
RgA	Rocklin loam, 0 to 3 percent slopes
RgB	Rocklin loam, 3 to 8 percent slopes
SnC	Snelling sandy loam, 8 to 15 percent slopes
SnC2	Snelling sandy loam, 8 to 15 percent slopes, eroded
TkA	Traver clay loam, moderately saline-alkali, 0 to 1 percent slopes
ToA	Traver fine sandy loam, moderately saline-alkali, 0 to 1 percent slopes
TtA	Tujunga loamy sand, 0 to 3 percent slopes
TuA	Tujunga sand, 0 to 3 percent slopes
TwA	Tujunga sand, channeled, 0 to 8 percent slopes
WhB	Whitney fine sandy loam, 3 to 8 percent slopes
WhB2	Whitney fine sandy loam, 3 to 8 percent slopes, eroded
WkB	Whitney sandy loam, 3 to 8 percent slopes
WkC	Whitney sandy loam, 8 to 15 percent slopes
WkC2	Whitney sandy loam, 8 to 15 percent slopes, eroded

MERCED AREA continued

Symbol	Name
WmB2	Whitney and Rocklin soils, 3 to 8 percent slopes, eroded
WmC2	Whitney and Rocklin soils, 8 to 15 percent slopes, eroded

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MERCED COUNTY, WESTERN PART

Symbol	Name
103	Alros clay loam, partially drained
117	Arburua loam, 2 to 8 percent slopes
140	Bolfar clay loam, hummocky
146	Carranza gravelly loam, 0 to 2 percent slopes
147	Carranza gravelly clay loam, 2 to 8 percent slopes
150	Chateau clay, partially drained
153	Chinvar loam
162	Damluis clay loam, 2 to 8 percent slopes
166	Damluis variant clay loam
168	Dosamigos clay loam, partially drained
169	Dosamigos clay, partially drained
172	Dospalos clay, hummocky
173	Dospalos-Bolfar complex, occasionally flooded
175	Edminster loam
176	Edminster-Kesterson complex

MERCED COUNTY, WESTERN PART continued

Symbol	Name
177	Edminster variant sand
198	Kesterson sandy loam
200	Kesterson loam, ponded
201	Kesterson-Edminster complex
212	Marcuse clay, leveled
239	Pleito gravelly clay loam, 8 to 15 percent slopes
258	Trulae silty clay, partially drained
266	Volta clay loam, partially drained
267	Wekoda clay loam, partially drained
285	Yokut sandy loam
286	Yokut loam

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